

OBSERVING LOG

TELESCOPE : DuPont
INSTRUMENT : WFCCD
CONFIGURATION : TYPHOON
OBSERVER : Jeff Rich
NIGHT ASSISTANT: Consuelo

DATE : July 29/30 3019
NIGHT: 5 of 13
PAGE : 1 of 4
WEATHER: clear

File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5001	bias	19:07	0	V	-	150um	-	Ok
5002	Slit image	19:09	10	V	zenith	150um	-	top/bot 1427/1428 x=1428.0, 2637.0, @y~2100
5003	"	19:11	4	V	"	750um	-	Lamp @390V, x=1439.5, 2625.5@y~2100
5004-5006	dflat	19:18	3x3	R	Flat field	open	-	Lamp @ 350V, <25k peak
5007-5009	"	19:22	3x4	V	"	open	-	Lamp @ 390V, <17k peak
5010-5012	"	19:27	3x4	B	"	open	-	Lamp @ 480V, ~20k peak
5013-5015	"	19:32	3x80	grism	"	150um	-	Lamp @ 480V, ~40k peak
5016-5018	"	19:41	3x20	grism	"	750um	-	Lamp @ 480V, <38k peak
5019-5021	"	19:52	3x50	grism	"	hart	-	Lamp @ 480V, ~41k peak
5022	"	20:02	4	V	"	hart	-	Lamp @ 390V
5023-5025	HeNeAr arcs	20:08	30/60/90	grism	"	150um	-	Arcs for calibs
5026-5033	bias	20:16	8x0	-	zenith	-	-	
5034-5036	dark	20:28	3x600	V	"	open	-	
5037	LTT 4816	22:40	5	"	1.143	"	1.5"	3"N 1.5"W
5038	"	22:43	"	"	1.148	"	1.4"	
5039	"	22:46	"	"	1.153	750um		1"W
5050	"	22:48	"	"	1.156	"		OK
5041	"	22:53	"	"	1.164	"		1"W
5042	"	22:55	"	"	1.168	"		
5043	LTT 4816	22:57	300	grism	1.171	750um		Standard
5044	HeNeAr arc	23:05	30	"	1.186	150um		
5045	NGC 5643	23:08	20	V	1.039	open	1.5"	Match 4058 from prior night, 35"N, 5.4" E
5046	"	23:11	"	"	1.040	"		Focus bad?
5047	NGC 5643	23:15	3	"	1.041	"		PSF bad, Run focus

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File	Object	UTstart	Expsec	Filter	Airmass	Aper	Seeing	Comments
5048	NGC 5643	23:17	7x3	V	1.042	open		Last one best, keep going
5049	"	23:21	"	"	1.045	"	~1"	4th step 16945
5050	NGC 5643	23:25	20	"	1.046	"		2"W, 5.5"S
5051	"	23:28	"	"	1.047	"		2"S
5052	NGC 5643	23:32	600	grism	1.050	150um	1.1"	L->R, -10.3 722.9
5053	"	23:47	"	"	1.051	"		712.6
5054	"	23:59	"	"	1.051	"		702.3
5055	"	00:01	"	"	1.072	"		692.0
5056	"	00:11	"	"	1.084	"		681.7
5057	"	00:22	"	"	1.099	"		671.4
5058	"	00:34	"	"	1.116	"		661.1
5059	"	00:46	"	"	1.135	"		650.8
5060	"	00:57	"	"	1.157	"		640.5
5061	"	01:08	"	"	1.181	"	~1.3"	630.2
5062	"	01:20	"	"	1.202	"		619.9
5063	"	01:33	"	"	1.238	"		609.6
5064	"	01:43	"	"	1.265	"	~1.2"	599.3
5065	NGC 5643	01:55	20	V	1.304	open		589.0
5066	NGC 6744		20	V		open		3"S ,1.5"E
5067	"	02:04	"	"	1.251	"		0.5"S, 0.5"W
5068	"	02:06	"	"	1.25	"	1.3"	
5069	NGC 6744	02:10	600	grism	1.247	150um		R->L, +10.3. 494.9, 362.4
5070	"	02:22	"	"	1.237	"	1.2"	372.7
5071	"	02:34	"	"	1.230	"		383.0

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5072	NGC 6744	02:45	600	grism	1.224	150um		393.3
5073	"	02:57	"	"	1.220	"	~1.5"	403.6
5074	"	03:09	"	"	1.218	"		413.9
5075	"	03:20	"	"	1.216	"		424.2
5076	"	03:32	"	"	1.217	"		434.5
5077	"	03:43	"	"	1.218	"		444.8
5078	"	03:54	"	"	1.221	"	~1"	455.1 good seeing
5079	"	04:06	"	"	1.226	"		465.4
5080	"	04:18	"	"	1.232	"		475.7
5081	"	04:29	"	"	1.240	"	~1.3"	486.0
5082	"	04:41	"	"	1.248	"		496.3
5083	"	04:52	"	"	1.260	"		506.6
5084	"	05:04	"	"	1.273	"		516.9
5085	"	05:15	"	"	1.287	"		527.2
5086	"	05:27	"	"	1.301	"		537.5
5087	"	05:38	"	"	1.320	"	~1.2"	547.8
5088	"	05:50	"	"	1.340	"	1.4"	558.1
5089	"	06:02	"	"	1.360	"	~1"	568.4
5090	"	06:13	"	"	1.386	"	<1"	578.7
5091	"	06:25	"	"	1.412	"	~1.2"	589.0
5092	"	06:36	"	"	1.441	"		599.3
5093	NGC 6744	06:48	20	V	1.473	open	1.2"	609.6
5094	NGC 7793	06:53	20	V		open	1.1"	ring=90, 4.4"W, 6.5"N
5095	"	06:56	"	"	1.042	"	1.1"	

